

Results for the 10'x100' circular tank with ramp:

Circular tank:

Tank Diameter = 100 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 10 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #4 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	10	1' 1"
3	10	1' 11"
4	10	2' 9"
5	8	3' 5"
6	8	4' 1"
7	8	4' 9"
8	8	5' 5"
9	8	6' 1"
10	8	6' 9"
11	8	7' 5"
12	8	8' 1"
13	10	8' 11"
13	10	9' 9"

Vertical Steel shall be #4 @ 10" O.C.


Dowels "L" bars shall be #4 @ 10" O.C. with a horizontal leg of 8" and a vertical leg of 26"

In the tank wall, at the notch for the ramp add:

3-#6 bars x 11'-10" long @ 4" O.C. vertically.

3-#6 bars x 20' long @ 4" O.C. horizontally.

4-#6 bars x 6 feet long @ 4" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	____ County, PA ROUND TANK W/RAMP DETAIL Page 6.13	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
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